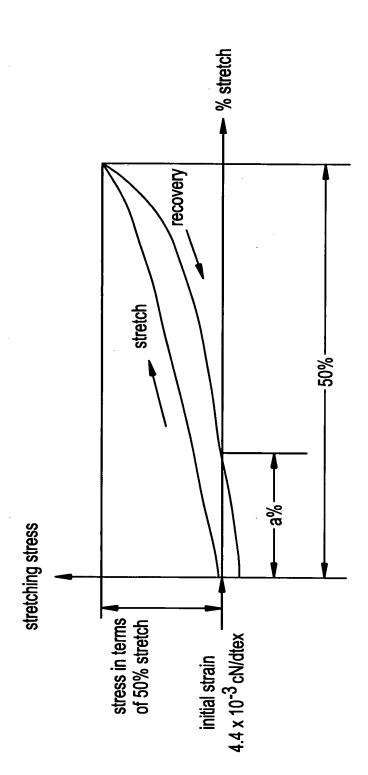
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FIG. 1 Stress-strain hysteresis curve diagram





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FIG. 2A

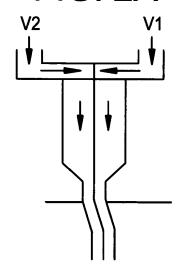


FIG. 2B

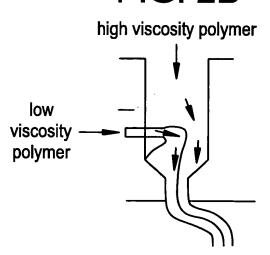


FIG. 3A FIG. 3B FIG. 3C FIG. 3D





FIG. 3E





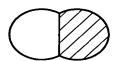


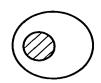




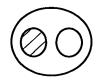
FIG. 3H

FIG. 3I

FIG. 3J



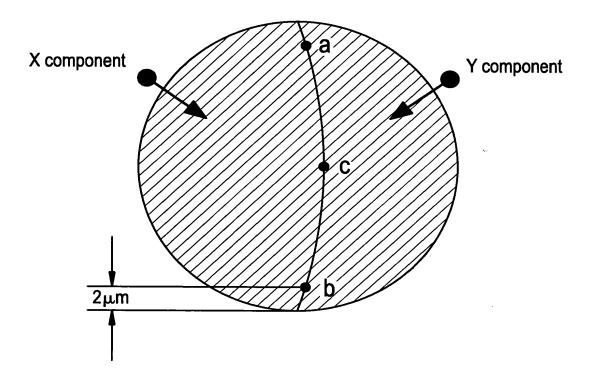




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FIG. 4





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FIG. 5

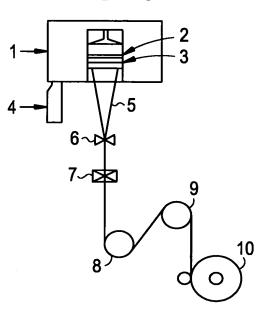


FIG. 6

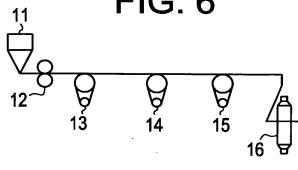


FIG. 7

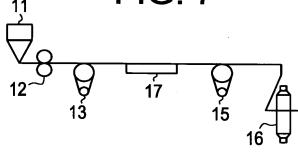


FIG. 8

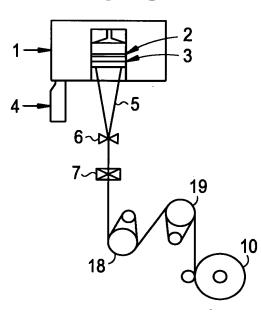
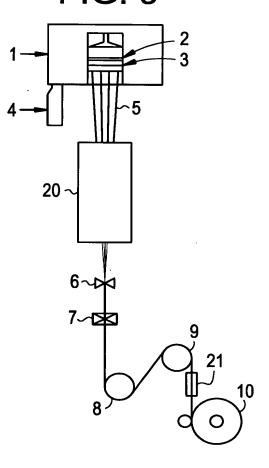


FIG. 9

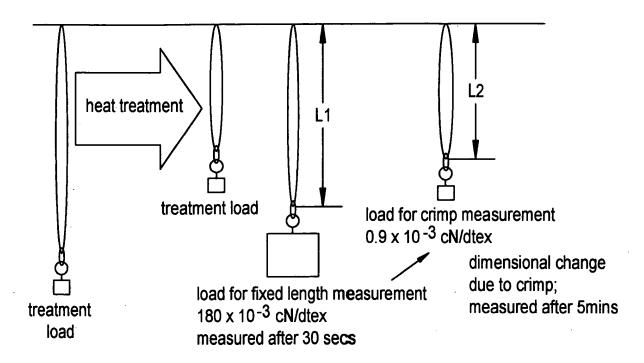




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FIG. 10



crimp stretch factor (%) = $(L_1 - L_2) / L_1 \times 100(\%)$

heat treatment: 15 mins in boiling water + 15 mins dry heat at 180°C

FIG. 11

